

Amendments to the Specification:

Please replace the paragraph beginning on Page 2, line 7, with the following amended paragraph:

Several methods are proposed for data stream transmission on the Internet, using prioritisation. In the method of the standardized "Differentiated Services", different service classes are allocated to data packets and obtain resources in conformity with these classes. Different classes may have different priorities. It is, however, not specified in accordance with which criteria classes are ~~alllocated~~ assigned to packets. Furthermore there is only a statistically predefined number of classes.

Please replace the paragraph beginning on Page 3, line 17, with the following amended paragraph:

- different sources or end appliances raise different user expectations concerning the grade of interference. Disturbances regarding transmissions from the Internet or to a mobile appliance will be sooner condoned than those ~~from~~ visible on the television in the living room.

Please replace the paragraph beginning on Page 4, line 29, with the following amended paragraph:

The applications 1a, 1b, 1c ~~require~~ request their necessary data streams from the QoS prioritizer 3, co-transmitting their QoS

requirements. When legacy applications are concerned, which have direct access to the network 5 without considering the prioritizer 3, the corresponding accesses are either communicated to the prioritizer 3 by the network 5 or detected by the prioritizer itself when it monitors the network traffic. The requirements that are lacking in these cases are substituted for default values which are dependent on possibly detected applications or the type of stream.

Please replace the paragraph beginning on Page 5, line 25, with the following amended paragraph:

When the newly ~~required~~ requested stream is a stream having a scalable bandwidth, the prioritizer 3 does not determine a priority for the stream but a priority for each of its transmission bands.

Please replace the paragraph beginning on Page 5, line 28, with the following amended paragraph:

The current data flow 51 is actually transmitted under the sole responsibility of the network 5. When resource bottlenecks occur the QoS-capable network 5 automatically reduces the bandwidth occupied by the less important streams by transmitting packets of these streams only partially or with a delay, or by not transmitting them. When the applications 1a, 1b, 1c implement QoS themselves, this reduction ~~applies to~~ is incumbent on them. When the user observes the reduction of quality contradictorily to the prognosis of the system and experiences it as a disturbance, he

communicates this to the system via a user interface 11 of the television set 1a. This information of user ~~denial~~ rejection is forwarded on to the QoS prioritizer 3 which computes an alternative priority 10, communicates it to the applications 1a, 1b, 1c and adapts the data streams accordingly. The user ~~denial~~ rejection is stored for the computation of future priorities by the QoS prioritizer 3.

Please replace the paragraph beginning on Page 6, line 5, with the following amended paragraph:

The prioritizer 3 is informed about changes ~~of~~ to the data influencing the priority decisions, ~~influencing data 52~~ e.g. about the current situation of the user or about the content of the stream, but also about longer lasting bandwidth limitations of the network 5 and thereupon possibly changes the priorities 10 of already existing streams and informs the network 5 or the applications 1a, 1b, 1c about this.